

**SEARCH REQUEST FORM**

Scientific and Technical Information Center

Requester's Full Name: Bethlehem Shewareged Examiner #: 75633 Date: 1/30/2007  
 Art Unit: 1774 Phone Number 30 2-1529 Serial Number: 101806, 618  
 Mail Box and Bldg/Room Location: REM 10A65 Results Format Preferred (circle): PAPER DISK E-MAIL

If more than one search is submitted, please prioritize searches in order of need.

\*\*\*\*\*

Please provide a detailed statement of the search topic, and describe as specifically as possible the subject matter to be searched. Include the elected species or structures, keywords, synonyms, acronyms, and registry numbers, and combine with the concept or utility of the invention. Define any terms that may have a special meaning. Give examples or relevant citations, authors, etc, if known. Please attach a copy of the cover sheet, pertinent claims, and abstract.

Title of Invention: Interior Ornament & Indicator panel for Vehicle

Inventors (please provide full names): Tetsuto Miyawaki ; Tetsuji Ohta

Earliest Priority Filing Date: 03/26/2003

\*For Sequence Searches Only\* Please include all pertinent information (parent, child, divisional, or issued patent numbers) along with the appropriate serial number.

1) Ink-acceptance layer comprising phenyl-5-benzotriazole carboxylate

2) Ink-acceptance layer comprising methyl-5-benzotriazole carboxylate

3) Ink-acceptance layer comprising phenyl-1-(4-hydroxy-3-[N-(2-tetradecyloxyphenyl) carbamoyl]-1-naphthyloxymethyl)-1H-benzotriazole-5-carboxylate

4) Ink-acceptance layer comprising phenyl-1-(4-hydroxy-3-[N-(2-tetradecyloxyphenyl) carbamoyl]-1-naphthyloxymethyl)-1H-benzotriazole-6-carboxylate

SCIENTIFIC REFERENCE BR  
Sci & Tech Inf. Cntr

JAN 30 2007

Pat. & T.M. Office

**STAFF USE ONLY**

|                                       | Type of Search             | Vendors and cost where applicable |
|---------------------------------------|----------------------------|-----------------------------------|
| Searcher: <u>ES</u>                   | NA Sequence (#) _____      | STN <u>\$ 268.68</u>              |
| Searcher Phone #: _____               | AA Sequence (#) _____      | Dialog _____                      |
| Searcher Location: _____              | Structure (#) <u>(1)</u>   | Questel/Orbit _____               |
| Date Searcher Picked Up: _____        | Bibliographic <u>(and)</u> | Dr. Link _____                    |
| Date Completed: <u>2-1-07</u>         | Litigation <u>(and)</u>    | Lexis/Nexis _____                 |
| Searcher Prep & Review Time: <u>5</u> | Fulltext _____             | Sequence Systems _____            |
| Clerical Prep Time: _____             | Patent Family _____        | WWW/Internet _____                |
| Online Time: <u>95</u>                | Other _____                | Other (specify) _____             |

What is claimed is:

1. An interior ornament for a vehicle comprising:

a base substrate;

an ink-acceptance layer coated on at least one surface of

5 the base substrate, the ink-acceptance layer including  
from 7 weight % to 15 weight % of one or more benzotriazole  
series compounds,

wherein the benzotriazole series compounds are selected from  
the group of,

10 [phenyl-5-benzotriazole carboxylate, (118) 93451-00-4 ; 84902-17-0

[methyl-5-benzotriazole carboxylate, (119) 113053-50-2 ; 103890-60-

phenyl-1-(4-hydroxy-3-[N-(2-tetradecyloxyphenyl)

carbamoyl]-1-naphthyloxymethyl)-1H-

(129)

benzotriazole-5-carboxylate, 107091-96-3

99119-46-7

15 [phenyl-1-(4-hydroxy-3-[N-(2-tetradecyloxyphenyl)

carbamoyl]-1-naphthyloxymethyl)-1H-

(127)

benzotriazole-6-carboxylate, 140130-48-9

(128)

5-benzotriazole carboxylate,

benzotriazole-5-carboxylate,

20 1-alkyloylbenzotriazole where a carbon number of  
alkyloyl group is from 8 to 24,

1-alkenoylbenzotriazole where a carbon number of  
alkenoyl group is from 8 to 24, and

benzotriazole series compounds having a

25 constitutional unit of polyalkylene glycol; and

a printed layer printed on the ink-acceptance layer.

2. The interior ornament of claim 1, wherein:

a content of the benzotriazole series compounds to the ink-acceptance layer is from 9 weight % to 13 weight %.

3. The interior ornament of claim 1, wherein:  
the printed layer is printed by an ink-jet printing method.

5 4. An indicator panel for a vehicle comprising:  
a base substrate having transparency;  
an ink-acceptance layer coated on at least one surface of  
the base substrate, the ink-acceptance layer including  
from 7 weight % to 15 weight % of one or more benzotriazole  
10 series compounds,  
wherein the benzotriazole series compounds are selected from  
the group of,

phenyl-5-benzotriazole carboxylate,  
methyl-5-benzotriazole carboxylate,

15 phenyl-1-{4-hydroxy-3-[N-(2-tetradecyloxyphenyl)  
carbamoyl]-1-naphthyloxymethyl}-1H-  
benzotriazole-5-carboxylate,  
phenyl-1-{4-hydroxy-3-[N-(2-tetradecyloxyphenyl)  
carbamoyl]-1-naphthyloxymethyl}-1H-  
20 benzotriazole-6-carboxylate,  
5-benzotriazole carboxylate,  
benzotriazole-5-carboxylate,  
1-alkyloylbenzotriazole where a carbon number of  
alkyloyl group is from 8 to 24,  
25 1-alkenoylbenzotriazole where a carbon number of  
alkenoyl group is from 8 to 24, and  
benzotriazole series compounds having a

constitutional unit of polyalkylene glycol; and  
a printed layer printed on the ink-acceptance layer.

5. The indicator panel of claim 4, wherein:

a content of the benzotriazole series compounds to the  
5 ink-acceptance layer is from 9 weight % to 13 weight %.

6. The indicator panel of claim 4, wherein:

the printed layer is printed by an ink-jet printing method.



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Bib Data Sheet

CONFIRMATION NO. 2620

|   |   |                                  |   |  |                                |
|---|---|----------------------------------|---|--|--------------------------------|
| <b>SERIAL NUMBER</b><br>10/806,618  | <b>FILING OR 371(c) DATE</b><br>03/23/2004<br><b>RULE</b>   | <b>CLASS</b><br>428              | <b>GROUP ART UNIT</b><br>1774   | <b>ATTORNEY DOCKET NO.</b><br>44471/298746 |                                |
| <b>APPLICANTS</b><br>Tetsuto Miyanishi, Kitakatsushika-gun, JAPAN;<br>Tetsuji Ohta, Saitama-shi, JAPAN;   |   |                                  |   |  |                                |
| <b>** CONTINUING DATA *****</b>   |   |                                  |   |  |                                |
| <b>** FOREIGN APPLICATIONS *****</b><br>JAPAN P2003-085438 03/26/2003   |   |                                  |   |  |                                |
| <b>IF REQUIRED, FOREIGN FILING LICENSE GRANTED</b><br><b>** 06/10/2004</b>  |   |                                  |   |  |                                |
| Foreign Priority claimed <input type="checkbox"/> yes <input type="checkbox"/> no<br>35 USC 119 (a-d) conditions <input type="checkbox"/> yes <input type="checkbox"/> no <input type="checkbox"/> Met after<br>met Allowance<br>Verified and Acknowledged _____<br>Examiner's Signature Initials |   | <b>STATE OR COUNTRY</b><br>JAPAN | <b>SHEETS DRAWING</b><br>3  | <b>TOTAL CLAIMS</b><br>6                   | <b>INDEPENDENT CLAIMS</b><br>2 |
| <b>ADDRESS</b><br>23370   |   |                                  |   |  |                                |
| <b>TITLE</b><br>Interior ornament and indicator panel for vehicle   |   |                                  |   |  |                                |
| <b>FILING FEE RECEIVED</b><br>900   | FEES: Authority has been given in Paper<br>No. _____ to charge/credit DEPOSIT ACCOUNT<br>No. _____ for following: |                                  | <input type="checkbox"/> All Fees<br><input type="checkbox"/> 1.16 Fees ( Filing )<br><input type="checkbox"/> 1.17 Fees ( Processing Ext. of time )<br><input type="checkbox"/> 1.18 Fees ( Issue )<br><input type="checkbox"/> Other _____<br><input type="checkbox"/> Credit |  |                                |

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FILE 'HCAPLUS'

L1 514 S MIYANISHI ?/AU  
L2 20123 S OHTA ?/AU  
L3 5 S L1 AND L2  
L4 114343 S VEHICULAR? OR VEHICLE?  
L5 2 S L1 AND L4  
L6 82 S L2 AND L4  
L7 96697 S INK?  
L8 82 S L2 AND L7  
L9 3 S L6 AND L8  
SEL L9 1-3 RN

FILE 'REGISTRY'

L10 10 S E1-E10

FILE 'LREGISTRY'

E BENZOTRIAZOLE/CN  
L11 1 S E5

FILE 'REGISTRY'

E PHENYL-5-BENZOTRIAZOLE CARBOXYLATE/CN  
E 5-BENZOTRIAZOLECARBOXYLIC ACID/CN  
E 5-BENZOTRIAZOLE CARBOXYLIC ACID/CN  
E 5-BENZOTRIAZOLE/CN  
L12 41 S (?PHENYL?(L)?BENZOTRIAZOLE?(L)?CARBOXYLAT?)/CNS  
E C13H9N3O2/MF  
L13 576 S E3  
L14 1 S L13 AND L12  
E 1H-BENZOTRIAZOLE-5-CARBOXYLIC ACID, METHYL ESTER/CN  
L15 1 S E3  
L16 1 S E4  
L17 1 S E8  
L18 2 S L14 OR L17  
L19 2 S L15 OR L16  
L20 11 S ?NAPHTHYLOXYMETHYL?/CNS  
L21 0 S L20 AND L12  
L22 0 S ?NAPHTHYLOXYMETHYL?/CNS

FILE 'LREGISTRY'

L23 E CARBAMOYL  
509 S E3

## FILE 'REGISTRY'

L24 26 S ?TETRADECYLOXYPHENYL?/CNS  
E C45H50N4O6/MF  
L25 15 S E3  
E 2-NAPHTHALENECARBOXAMIDE, 4-((5-(BENZOYLOXY)-1H-BENZOTR  
L26 1 S E3  
E 1H-BENZOTRIAZOLECARBOXYLIC ACID, 1-(((4-HYDROXY-3-((2-  
L27 1 S E3  
E 1H-BENZOTRIAZOLE-6-CARBOXYLIC ACID, 1-(((4-HYDROXY-3-((  
L28 1 S E3  
E 1H-BENZOTRIAZOLE-5-CARBOXYLIC ACID, 1-(((4-HYDROXY-3-((  
L29 1 S E3

## FILE 'HCA'

L30 60 S L18  
L31 38 S L19  
L32 9 S L29  
L33 2 S L28  
L34 52 S L27  
L35 84040 S INK?  
L36 24253 S JET?(2A)PRINT?  
L37 180032 S AUTOMOTIV? OR AUTOMOBIL? OR VEHICL? OR VEHICULAR? OR (I  
L38 682 S INK?(2A)ACCEPT?  
L39 1 S (L35 OR L36 OR L37 OR L38) AND L30  
L40 1 S (L35 OR L36 OR L37 OR L38) AND L31  
L41 1 S (L35 OR L36 OR L37 OR L38) AND L32  
L42 1 S (L35 OR L36 OR L37 OR L38) AND L33  
L43 0 S (L35 OR L36 OR L37 OR L38) AND L34  
L44 1 S L39 OR L40 OR L41 OR L42  
L45 154 S (L30-L34) NOT L44  
L46 146 S 1840-2003/PY,PRY AND L45  
SAV L46 SHE618/A

=> FILE HCA

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=> D L44 1 ALL HITSTR

L44 ANSWER 1 OF 1 HCA COPYRIGHT 2007 ACS on STN  
 AN 134:273574 HCA  
 ED Entered STN: 26 Apr 2001  
 TI **Ink**-jet recording materials for formation of low-glitter  
 printings with aqueous **inks**  
 IN Ota, Satoshi  
 PA Kimoto and Co., Ltd., Japan  
 SO Jpn. Kokai Tokkyo Koho, 4 pp.  
 CODEN: JKXXAF  
 DT Patent  
 LA Japanese  
 IC ICM B41M005-00  
 CC 74-6 (Radiation Chemistry, Photochemistry, and Photographic and  
 Other Reprographic Processes)

FAN.CNT 1

|    | PATENT NO.    | KIND | DATE     | APPLICATION NO. | DATE         |
|----|---------------|------|----------|-----------------|--------------|
|    | -----         | ---- | -----    | -----           |              |
| PI | JP 2001088430 | A    | 20010403 | JP 1999-268549  | 199909<br>22 |

PRAI JP 1999-268549

19990922

CLASS

|    | PATENT NO.  | CLASS | PATENT FAMILY CLASSIFICATION CODES    |
|----|---|-------|---------------------------------------|
|    | -----   | ----- | -----                                 |
|    | JP <u>2001088430</u>  | ICM   | B41M005-00                            |
|    |   | IPCI  | B41M0005-00 [ICM,7]                   |
|    |   | IPCR  | B41M0005-00 [I,A]; B41M0005-00 [I,C*] |
| AB | The materials comprise <b>ink</b> receptor layers contg.<br>water-sol. or hydrophilic polymers and $\geq 1$ benzotriazoles<br>selected from (a) Ph 5-benzotriazolecarboxylate, (b) Me<br>5-benzotriazolecarboxylate, (c) Ph 1-[4-hydroxy-3-[N-(2-<br>tetradecyloxyphenyl)carbamoyl]-1-naphthyloxymethyl]-1H-benzotriazole-<br>5-carboxylate, (d) Ph 1-[4-hydroxy-3-[N-(2-tetradecyloxyphenyl)<br>carbamoyl]-1-naphthyloxymethyl]-1H-benzotriazole-6-carboxylate, (e)<br>5-benzotriazolecarboxylic acid (sic), (f) benzotriazole-5-carboxylic<br>acid (sic), (g) 1-C8-24 alkyloylbenzotriazoles, and (h) 1-C8-24<br>alkenoylbenzotriazoles. Images formed on the sheets are resistant<br>to light. |       |                                       |
| ST | glitter low image aq <b>ink</b> printing; <b>ink</b><br><b>jet printing</b> sheet low glitter; benzotriazole<br>receptor layer additive <b>ink</b> jet sheet  |       |                                       |
| IT | <b>Ink</b> -jet recording sheets<br>( <b>ink</b> -jet recording sheets with receptor layers contg.<br>benzotriazole derivs. for formation of light-resistant low<br>glitter printings with aq. <b>inks</b> )  |       |                                       |
| IT | 95-14-7D, 1H-Benzotriazole, 1-C8-24alkyloyl or 1-C8-24alkenoyl<br>derivs. 23814-12-2, 5-Benzotriazole carboxylic acid   |       |                                       |



**84902-17-0 107091-96-3 113053-50-2,**

Methyl 5-benzotriazole carboxylate **140130-48-9**

(**ink**-jet recording sheets with receptor layers contg.  
benzotriazole derivs. for formation of light-resistant low  
glitter printings with aq. **inks**)

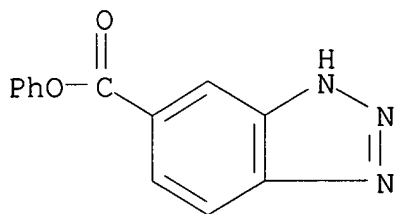
IT **84902-17-0 107091-96-3 113053-50-2,**

Methyl 5-benzotriazole carboxylate **140130-48-9**

(**ink**-jet recording sheets with receptor layers contg.  
benzotriazole derivs. for formation of light-resistant low  
glitter printings with aq. **inks**)

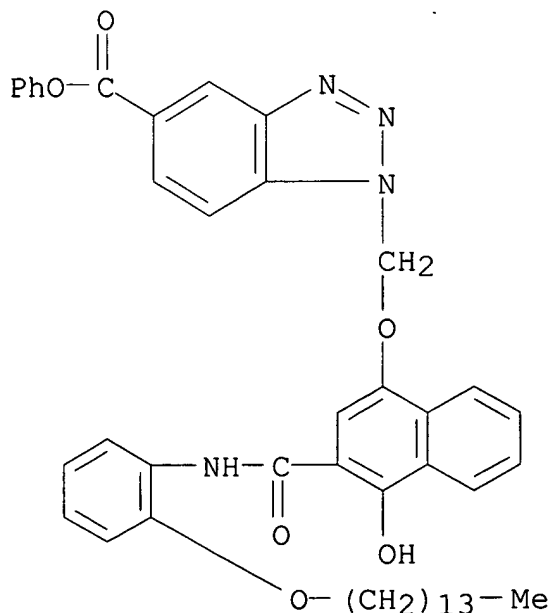
RN 84902-17-0 HCA

CN 1H-Benzotriazole-5-carboxylic acid, phenyl ester (9CI) (CA INDEX  
NAME)

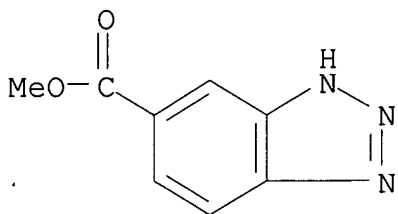


RN 107091-96-3 HCA

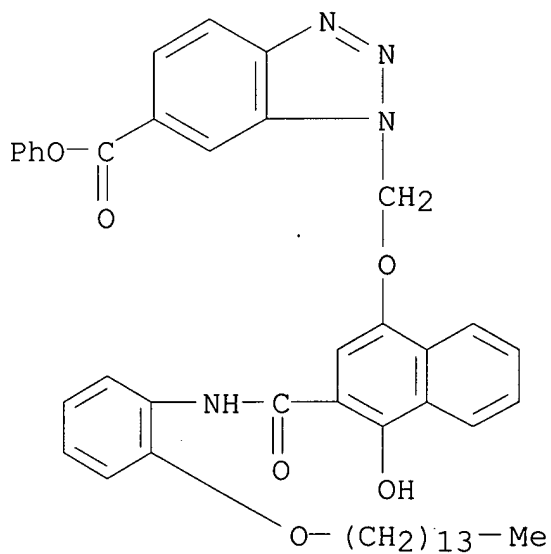
CN 1H-Benzotriazole-5-carboxylic acid, 1-[[[4-hydroxy-3-[[[2-(  
(tetradecyloxy)phenyl]amino]carbonyl]-1-naphthalenyl]oxy]methyl]-,  
phenyl ester (9CI) (CA INDEX NAME)



RN 113053-50-2 HCA  
CN 1H-Benzotriazole-5-carboxylic acid, methyl ester (9CI) (CA INDEX NAME)



RN 140130-48-9 HCA  
CN 1H-Benzotriazole-6-carboxylic acid, 1-[[[4-hydroxy-3-[[[2-(tetradecyloxy)phenyl]amino]carbonyl]-1-naphthalenyl]oxy]methyl]-, phenyl ester (9CI) (CA INDEX NAME)



=> D L46 1-146 TI

L46 ANSWER 1 OF 146 HCA COPYRIGHT 2007 ACS on STN  
TI New DIR compound and its application in making photosensitive material

L46 ANSWER 2 OF 146 HCA COPYRIGHT 2007 ACS on STN  
TI Color photographic element containing coupler moiety with improved amino acid timing group

- L46 ANSWER 3 OF 146 HCA COPYRIGHT 2007 ACS on STN  
TI Preparation of azolidinone-vinyl fused-benzene derivatives for therapeutic uses as PI3 kinase inhibitors
- L46 ANSWER 4 OF 146 HCA COPYRIGHT 2007 ACS on STN  
TI Preparation of 5-phenoxybenzotriazole using diphenyl carbonate
- L46 ANSWER 5 OF 146 HCA COPYRIGHT 2007 ACS on STN  
TI Computer simulation of the corrosion inhibition of copper in acidic solution by alkyl esters of 5-carboxybenzotriazole
- L46 ANSWER 6 OF 146 HCA COPYRIGHT 2007 ACS on STN  
TI Inhibition of copper corrosion by coatings of alkyl esters of carboxybenzotriazole
- L46 ANSWER 7 OF 146 HCA COPYRIGHT 2007 ACS on STN  
TI Preparation of novel benzotriazoles as anti-inflammatory compounds
- L46 ANSWER 8 OF 146 HCA COPYRIGHT 2007 ACS on STN  
TI Silver halide color photographic films and method for color image formation using the same
- L46 ANSWER 9 OF 146 HCA COPYRIGHT 2007 ACS on STN  
TI Preparation of 1-naphthols and formation of acidic proton-containing compounds using them
- L46 ANSWER 10 OF 146 HCA COPYRIGHT 2007 ACS on STN  
TI SERS studies of corrosion inhibition of BTA and its derivative on copper electrodes in NaCl solution
- L46 ANSWER 11 OF 146 HCA COPYRIGHT 2007 ACS on STN  
TI Studies on alkyl esters of carboxybenzotriazole as inhibitors for copper corrosion
- L46 ANSWER 12 OF 146 HCA COPYRIGHT 2007 ACS on STN  
TI Photoelectrochemical study of the inhibiting action of benzotriazole and carboxybenzotriazole alkyl esters on copper corrosion
- L46 ANSWER 13 OF 146 HCA COPYRIGHT 2007 ACS on STN  
TI Electrochemical behavior of BTA series inhibitors for copper
- L46 ANSWER 14 OF 146 HCA COPYRIGHT 2007 ACS on STN  
TI Inhibition of copper corrosion with esters of 4- and 5-carboxybenzotriazole
- L46 ANSWER 15 OF 146 HCA COPYRIGHT 2007 ACS on STN

- TI Studies on the use of alkyl esters of carboxybenzotriazole as inhibitors for copper corrosion
- L46 ANSWER 16 OF 146 HCA COPYRIGHT 2007 ACS on STN
- TI Preparation of N-aroyldehydroamino acids as lymphocyte function associated antigen-1 antagonists.
- L46 ANSWER 17 OF 146 HCA COPYRIGHT 2007 ACS on STN
- TI Method for preparing aryl esters using phosphorus oxychloride
- L46 ANSWER 18 OF 146 HCA COPYRIGHT 2007 ACS on STN
- TI Preparation of 5-(N-alkyl)amido-1-hydroxynaphthalene-2-carboxamides
- L46 ANSWER 19 OF 146 HCA COPYRIGHT 2007 ACS on STN
- TI Preparation of 1-naphthols and formation of acidic proton-containing compounds using them
- L46 ANSWER 20 OF 146 HCA COPYRIGHT 2007 ACS on STN
- TI Silver halide color photographic material containing development inhibitor-releasing coupler
- L46 ANSWER 21 OF 146 HCA COPYRIGHT 2007 ACS on STN
- TI Effect of carboxybenzotriazoles and their alkyl esters on copper corrosion
- L46 ANSWER 22 OF 146 HCA COPYRIGHT 2007 ACS on STN
- TI Study on copper surface in buffer-borax solutions with BTA and its CBTME derivatives by PEM
- L46 ANSWER 23 OF 146 HCA COPYRIGHT 2007 ACS on STN
- TI Heat developable photographic material and color image forming method
- L46 ANSWER 24 OF 146 HCA COPYRIGHT 2007 ACS on STN
- TI Silver halide color photographic material and image forming method using the same
- L46 ANSWER 25 OF 146 HCA COPYRIGHT 2007 ACS on STN
- TI Silver halide color photographic material with improved color reproducibility
- L46 ANSWER 26 OF 146 HCA COPYRIGHT 2007 ACS on STN
- TI Preparation of benzotriazoles as corrosion inhibitors for copper and copper alloys
- L46 ANSWER 27 OF 146 HCA COPYRIGHT 2007 ACS on STN
- TI Silver halide photographic material using novel sensitizing dye

- L46 ANSWER 28 OF 146 HCA COPYRIGHT 2007 ACS on STN  
TI Heat development photosensitive material
- L46 ANSWER 29 OF 146 HCA COPYRIGHT 2007 ACS on STN  
TI Preparation of 5-phenoxy carbonyl benzotriazole
- L46 ANSWER 30 OF 146 HCA COPYRIGHT 2007 ACS on STN  
TI Inhibition action of benzotriazole derivatives for copper dissolution in sulfuric acid solution
- L46 ANSWER 31 OF 146 HCA COPYRIGHT 2007 ACS on STN  
TI Photographic element and process employing active, stable benzotriazole-releasing DIR coupler
- L46 ANSWER 32 OF 146 HCA COPYRIGHT 2007 ACS on STN  
TI Vinyl chloride polymer compositions for electric wire covering
- L46 ANSWER 33 OF 146 HCA COPYRIGHT 2007 ACS on STN  
TI Thermally-developable photographic film containing coupler with plural cleavage point for high-resolution images
- L46 ANSWER 34 OF 146 HCA COPYRIGHT 2007 ACS on STN  
TI Comparative study of several corrosion inhibitors for copper by using a.c. impedance spectroscopy
- L46 ANSWER 35 OF 146 HCA COPYRIGHT 2007 ACS on STN  
TI Silver halide color photographic material containing a yellow dye of non-wash-out type
- L46 ANSWER 36 OF 146 HCA COPYRIGHT 2007 ACS on STN  
TI Photographic element containing a coupler capable of releasing a photographically useful group through a triazole group
- L46 ANSWER 37 OF 146 HCA COPYRIGHT 2007 ACS on STN  
TI Synthesis of substituted benzotriazoles and photographically active substances
- L46 ANSWER 38 OF 146 HCA COPYRIGHT 2007 ACS on STN  
TI Silver halide color photographic material containing a masking coupler in red-sensitive layer and the image-forming method
- L46 ANSWER 39 OF 146 HCA COPYRIGHT 2007 ACS on STN  
TI Silver halide color photographic material and method for forming image
- L46 ANSWER 40 OF 146 HCA COPYRIGHT 2007 ACS on STN  
TI Color photographic imaging method

- L46 ANSWER 41 OF 146 HCA COPYRIGHT 2007 ACS on STN  
TI Receiving element for use in thermal-transfer printing
- L46 ANSWER 42 OF 146 HCA COPYRIGHT 2007 ACS on STN  
TI Preparation of benzotriazole derivatives as intermediates for yellow couplers
- L46 ANSWER 43 OF 146 HCA COPYRIGHT 2007 ACS on STN  
TI Silver halide light-sensitive color photographic material
- L46 ANSWER 44 OF 146 HCA COPYRIGHT 2007 ACS on STN  
TI Method for producing aminated carbamates and azoles
- L46 ANSWER 45 OF 146 HCA COPYRIGHT 2007 ACS on STN  
TI Silver halide color photographic material
- L46 ANSWER 46 OF 146 HCA COPYRIGHT 2007 ACS on STN  
TI Method for forming silver halide color photographic image
- L46 ANSWER 47 OF 146 HCA COPYRIGHT 2007 ACS on STN  
TI Silver halide color photographic material
- L46 ANSWER 48 OF 146 HCA COPYRIGHT 2007 ACS on STN  
TI Nonaqueous batteries containing benzotriazole additives
- L46 ANSWER 49 OF 146 HCA COPYRIGHT 2007 ACS on STN  
TI Silver halide color photographic material
- L46 ANSWER 50 OF 146 HCA COPYRIGHT 2007 ACS on STN  
TI Silver halide photographic photosensitive material.
- L46 ANSWER 51 OF 146 HCA COPYRIGHT 2007 ACS on STN  
TI Processing of silver halide color photographic material
- L46 ANSWER 52 OF 146 HCA COPYRIGHT 2007 ACS on STN  
TI Brightness- and color-reproducibility- improved photographic material and processing of same
- L46 ANSWER 53 OF 146 HCA COPYRIGHT 2007 ACS on STN  
TI Magenta development inhibitor releasing coupler
- L46 ANSWER 54 OF 146 HCA COPYRIGHT 2007 ACS on STN  
TI Silver halide color photographic materials containing malondiamine-type couplers and cycloalkaneacetanilide-type couplers
- L46 ANSWER 55 OF 146 HCA COPYRIGHT 2007 ACS on STN  
TI silver halide color photographic material

- L46 ANSWER 56 OF 146 HCA COPYRIGHT 2007 ACS on STN  
TI Silver halide color photographic materials with high sensitivity, contrast, color reproducibility, and graininess
- L46 ANSWER 57 OF 146 HCA COPYRIGHT 2007 ACS on STN  
TI Silver halide photographic material containing hydrazine antifogging agents to obtain uniformity of developed density
- L46 ANSWER 58 OF 146 HCA COPYRIGHT 2007 ACS on STN  
TI method for preparing magenta development inhibitor-releasing photographic coupler
- L46 ANSWER 59 OF 146 HCA COPYRIGHT 2007 ACS on STN  
TI Silver halide color photographic materials with excellent color reproducibility and storage stability
- L46 ANSWER 60 OF 146 HCA COPYRIGHT 2007 ACS on STN  
TI Silver halide color photographic materials containing novel yellow couplers and compounds for fixing aldehydes
- L46 ANSWER 61 OF 146 HCA COPYRIGHT 2007 ACS on STN  
TI Direct-positive silver halide photographic materials
- L46 ANSWER 62 OF 146 HCA COPYRIGHT 2007 ACS on STN  
TI Silver halide photographic material with improved photographic properties
- L46 ANSWER 63 OF 146 HCA COPYRIGHT 2007 ACS on STN  
TI Synthesis of 5,5-bis(benzotriazol-5-ylmethyl)-2,2-dimethyl-1,3-dioxane-4,6-dione and 5-(benzotriazol-5-ylmethyl)-2,2,5-trimethyl-1,3-dioxane-4,6-dione
- L46 ANSWER 64 OF 146 HCA COPYRIGHT 2007 ACS on STN  
TI Silver halide color photographic photosensitive material and its processing method
- L46 ANSWER 65 OF 146 HCA COPYRIGHT 2007 ACS on STN  
TI Photographic material and process
- L46 ANSWER 66 OF 146 HCA COPYRIGHT 2007 ACS on STN  
TI Color photographic material containing novel yellow coupler
- L46 ANSWER 67 OF 146 HCA COPYRIGHT 2007 ACS on STN  
TI Yellow azomethine compounds for color photography and optical filters resistant to heat, moisture, and light
- L46 ANSWER 68 OF 146 HCA COPYRIGHT 2007 ACS on STN  
TI Silver halide color photographic material

- L46 ANSWER 69 OF 146 HCA COPYRIGHT 2007 ACS on STN  
TI Bicyclic substituted vinylimidazoles, -triazoles and -tetrazoles
- L46 ANSWER 70 OF 146 HCA COPYRIGHT 2007 ACS on STN  
TI Azomethine dyes for thermal-transfer printing or photography
- L46 ANSWER 71 OF 146 HCA COPYRIGHT 2007 ACS on STN  
TI Silver halide photographic daylight material
- L46 ANSWER 72 OF 146 HCA COPYRIGHT 2007 ACS on STN  
TI Silver halide color photographic material with fog resistance at high temperature
- L46 ANSWER 73 OF 146 HCA COPYRIGHT 2007 ACS on STN  
TI Silver halide color photographic material
- L46 ANSWER 74 OF 146 HCA COPYRIGHT 2007 ACS on STN  
TI High-sensitivity high-contrast color photographic material
- L46 ANSWER 75 OF 146 HCA COPYRIGHT 2007 ACS on STN  
TI Method for processing silver halide color photographic material
- L46 ANSWER 76 OF 146 HCA COPYRIGHT 2007 ACS on STN  
TI Silver halide color photographic material
- L46 ANSWER 77 OF 146 HCA COPYRIGHT 2007 ACS on STN  
TI Method for processing silver halide color photographic material containing development-inhibitor-releasing coupler
- L46 ANSWER 78 OF 146 HCA COPYRIGHT 2007 ACS on STN  
TI Silver halide color photographic material containing yellow-colored cyan coupler for improved color reproducibility and sharpness
- L46 ANSWER 79 OF 146 HCA COPYRIGHT 2007 ACS on STN  
TI Silver halide photographic material containing development inhibitor-releasing agent and bleaching accelerator for high-speed process
- L46 ANSWER 80 OF 146 HCA COPYRIGHT 2007 ACS on STN  
TI Silver halide photographic material
- L46 ANSWER 81 OF 146 HCA COPYRIGHT 2007 ACS on STN  
TI Silver halide color photographic materials
- L46 ANSWER 82 OF 146 HCA COPYRIGHT 2007 ACS on STN  
TI Silver halide color photographic material



- L46 ANSWER 83 OF 146 HCA COPYRIGHT 2007 ACS on STN  
TI Hydrolysis and oxidation of 1H-benzotriazolecarboxylic acid esters by rat-liver microsomes
- L46 ANSWER 84 OF 146 HCA COPYRIGHT 2007 ACS on STN  
TI Methine dyes
- L46 ANSWER 85 OF 146 HCA COPYRIGHT 2007 ACS on STN  
TI Silver halide photographic materials containing hydrazine derivatives and alcohols to give high-contrast images
- L46 ANSWER 86 OF 146 HCA COPYRIGHT 2007 ACS on STN  
TI High-sensitivity color photographic film
- L46 ANSWER 87 OF 146 HCA COPYRIGHT 2007 ACS on STN  
TI Processing of silver halide color photographic material
- L46 ANSWER 88 OF 146 HCA COPYRIGHT 2007 ACS on STN  
TI Silver halide color photographic material
- L46 ANSWER 89 OF 146 HCA COPYRIGHT 2007 ACS on STN  
TI Direct-positive color photographic material
- L46 ANSWER 90 OF 146 HCA COPYRIGHT 2007 ACS on STN  
TI High-sensitivity low-fog color photographic material
- L46 ANSWER 91 OF 146 HCA COPYRIGHT 2007 ACS on STN  
TI Color photographic material with improved sharpness and interimage effect
- L46 ANSWER 92 OF 146 HCA COPYRIGHT 2007 ACS on STN  
TI Silver halide color photographic material
- L46 ANSWER 93 OF 146 HCA COPYRIGHT 2007 ACS on STN  
TI High-contrast negative silver halide photographic material
- L46 ANSWER 94 OF 146 HCA COPYRIGHT 2007 ACS on STN  
TI Silver halide color photographic material containing malondianilide yellow photographic couplers
- L46 ANSWER 95 OF 146 HCA COPYRIGHT 2007 ACS on STN  
TI Color photographic material containing development-inhibitor-releasing compound
- L46 ANSWER 96 OF 146 HCA COPYRIGHT 2007 ACS on STN  
TI Silver halide color photographic material containing diffusive development-inhibitor releaser

- L46 ANSWER 97 OF 146 HCA COPYRIGHT 2007 ACS on STN  
TI Silver halide photographic material having ultra-high contrast due to hydrazine-activated development
- L46 ANSWER 98 OF 146 HCA COPYRIGHT 2007 ACS on STN  
TI Process for processing silver halide color photographic materials and color developer for use in said process
- L46 ANSWER 99 OF 146 HCA COPYRIGHT 2007 ACS on STN  
TI Silver halide photographic material
- L46 ANSWER 100 OF 146 HCA COPYRIGHT 2007 ACS on STN  
TI Silver halide color photographic material
- L46 ANSWER 101 OF 146 HCA COPYRIGHT 2007 ACS on STN  
TI Silver halide color photographic material with good color reproducibility
- L46 ANSWER 102 OF 146 HCA COPYRIGHT 2007 ACS on STN  
TI Hydrolytic stability of alkyl 1H-benzotriazolecarboxylates
- L46 ANSWER 103 OF 146 HCA COPYRIGHT 2007 ACS on STN  
TI Benzotriazolecarboxylic acid hydrazide derivatives as additives for functional fluids
- L46 ANSWER 104 OF 146 HCA COPYRIGHT 2007 ACS on STN  
TI FTIR-microscopic investigations of microphases and microphase-transitions in organic substances
- L46 ANSWER 105 OF 146 HCA COPYRIGHT 2007 ACS on STN  
TI Direct-positive color photographic photosensitive material
- L46 ANSWER 106 OF 146 HCA COPYRIGHT 2007 ACS on STN  
TI Color photosensitive material
- L46 ANSWER 107 OF 146 HCA COPYRIGHT 2007 ACS on STN  
TI Direct-positive color imaging method
- L46 ANSWER 108 OF 146 HCA COPYRIGHT 2007 ACS on STN  
TI Contrast-enhancing compounds for superhigh contrast bright room-type photographic materials
- L46 ANSWER 109 OF 146 HCA COPYRIGHT 2007 ACS on STN  
TI Method for development of silver halide photographic materials
- L46 ANSWER 110 OF 146 HCA COPYRIGHT 2007 ACS on STN  
TI A new deprotection method for levulinyl protecting groups under neutral conditions

- L46 ANSWER 111 OF 146 HCA COPYRIGHT 2007 ACS on STN  
TI Silver halide color photographic photosensitive materials with improved image sharpness
- L46 ANSWER 112 OF 146 HCA COPYRIGHT 2007 ACS on STN  
TI Method for formation of direct positive image
- L46 ANSWER 113 OF 146 HCA COPYRIGHT 2007 ACS on STN  
TI Composite layer structure color photographic film containing diffusing development inhibitor-releasing compound
- L46 ANSWER 114 OF 146 HCA COPYRIGHT 2007 ACS on STN  
TI 6-Alkylidenepenems, their preparation, and their use as antibiotics
- L46 ANSWER 115 OF 146 HCA COPYRIGHT 2007 ACS on STN  
TI Silver halide color photographic material
- L46 ANSWER 116 OF 146 HCA COPYRIGHT 2007 ACS on STN  
TI Silver halide reversal color photographic material
- L46 ANSWER 117 OF 146 HCA COPYRIGHT 2007 ACS on STN  
TI Processing of silver halide color photographic material
- L46 ANSWER 118 OF 146 HCA COPYRIGHT 2007 ACS on STN  
TI Color photographic photosensitive materials
- L46 ANSWER 119 OF 146 HCA COPYRIGHT 2007 ACS on STN  
TI Silver halide photographic photosensitive materials
- L46 ANSWER 120 OF 146 HCA COPYRIGHT 2007 ACS on STN  
TI Silver halide color photographic photosensitive materials
- L46 ANSWER 121 OF 146 HCA COPYRIGHT 2007 ACS on STN  
TI Silver halide color photographic photosensitive material
- L46 ANSWER 122 OF 146 HCA COPYRIGHT 2007 ACS on STN  
TI Preparation of silver halide photographic photosensitive materials
- L46 ANSWER 123 OF 146 HCA COPYRIGHT 2007 ACS on STN  
TI Silver halide color photographic photosensitive materials
- L46 ANSWER 124 OF 146 HCA COPYRIGHT 2007 ACS on STN  
TI Silver halide color photographic materials
- L46 ANSWER 125 OF 146 HCA COPYRIGHT 2007 ACS on STN  
TI Silver halide color photographic material

L46 ANSWER 126 OF 146 HCA COPYRIGHT 2007 ACS on STN  
TI Silver halide photographic material

L46 ANSWER 127 OF 146 HCA COPYRIGHT 2007 ACS on STN  
TI Direct-positive silver halide color photographic material containing  
internal latent image-forming emulsion

L46 ANSWER 128 OF 146 HCA COPYRIGHT 2007 ACS on STN  
TI Processing of silver halide color photographic photosensitive  
materials

L46 ANSWER 129 OF 146 HCA COPYRIGHT 2007 ACS on STN  
TI Silver halide color photographic photosensitive materials

L46 ANSWER 130 OF 146 HCA COPYRIGHT 2007 ACS on STN  
TI Silver halide color photographic photosensitive materials

L46 ANSWER 131 OF 146 HCA COPYRIGHT 2007 ACS on STN  
TI Silver halide color photographic photosensitive materials

L46 ANSWER 132 OF 146 HCA COPYRIGHT 2007 ACS on STN  
TI Silver halide color photographic material

L46 ANSWER 133 OF 146 HCA COPYRIGHT 2007 ACS on STN  
TI Silver halide photographic photosensitive materials

L46 ANSWER 134 OF 146 HCA COPYRIGHT 2007 ACS on STN  
TI Silver halide color photographic photosensitive materials

L46 ANSWER 135 OF 146 HCA COPYRIGHT 2007 ACS on STN  
TI Silver halide photographic materials

L46 ANSWER 136 OF 146 HCA COPYRIGHT 2007 ACS on STN  
TI Silver halide photosensitive materials

L46 ANSWER 137 OF 146 HCA COPYRIGHT 2007 ACS on STN  
TI Silver halide color photographic material

L46 ANSWER 138 OF 146 HCA COPYRIGHT 2007 ACS on STN  
TI Silver halide color photographic material

L46 ANSWER 139 OF 146 HCA COPYRIGHT 2007 ACS on STN  
TI Silver halide photographic material

L46 ANSWER 140 OF 146 HCA COPYRIGHT 2007 ACS on STN  
TI Silver halide color photographic photosensitive materials

L46 ANSWER 141 OF 146 HCA COPYRIGHT 2007 ACS on STN

TI Photographic photosensitive silver halide material

L46 ANSWER 142 OF 146 HCA COPYRIGHT 2007 ACS on STN  
 TI Silver halide color photographic materials

L46 ANSWER 143 OF 146 HCA COPYRIGHT 2007 ACS on STN  
 TI Silver halide color photographic material

L46 ANSWER 144 OF 146 HCA COPYRIGHT 2007 ACS on STN  
 TI Silver halide color photographic material

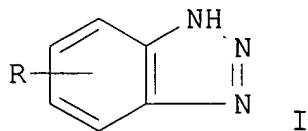
L46 ANSWER 145 OF 146 HCA COPYRIGHT 2007 ACS on STN  
 TI Silver halide color photographic material

L46 ANSWER 146 OF 146 HCA COPYRIGHT 2007 ACS on STN  
 TI Color photographic silver halide material containing development inhibitor releasing compound.

=> D L46 28,33,37,41,112 CBIB ABS HITSTR HITRN

L46 ANSWER 28 OF 146 HCA COPYRIGHT 2007 ACS on STN  
 131:293357 Heat development photosensitive material. Goto, Takahiro  
 (Fuji Photo Film Co., Ltd., Japan). Jpn. Kokai Tokkyo Koho JP  
 11282128 A **19991015** Heisei, 52 pp. (Japanese). CODEN:  
 JKXXAF. APPLICATION: JP 1998-79994 19980326.

GI



AB In the title photosensitive material contg. a non-photosensitive Ag salt, a photosensitive Ag halide, and a binder on a support, a polymer latex having a glass transition temp. of -30-40° is used as the binder in the image-forming layer contg. the Ag halide in ≥50 wt.%, the Ag halide is spectrally sensitized in the range of 750-1400 nm, and the image-forming layer and/or its adjacent layer contains ≥1 compd. I [R = H, C1-4 alkyl, aryl, halo, amino, nitro, (substituted) carboxylic acid or its salt, sulfonic acid or its salt] and a nucleating agent. The material used in photomech. process shows high contrast, low fog, and

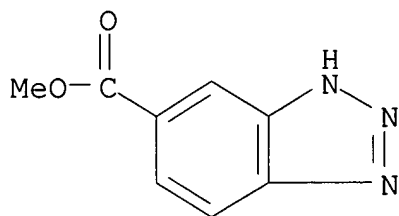
improved storage stability.

IT **113053-50-2**

(photothermog. material contg. org. silver salt, spectrally sensitized silver halide, benzotriazole deriv. and nucleating agent)

RN 113053-50-2 HCA

CN 1H-Benzotriazole-5-carboxylic acid, methyl ester (9CI) (CA INDEX NAME)



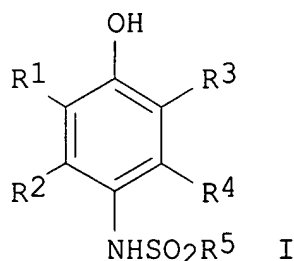
IT **113053-50-2**

(photothermog. material contg. org. silver salt, spectrally sensitized silver halide, benzotriazole deriv. and nucleating agent)

L46 ANSWER 33 OF 146 HCA COPYRIGHT 2007 ACS on STN

129:283382 Thermally-developable photographic film containing coupler with plural cleavage point for high-resolution images. Nakagawa, Hajime (Fuji Photo Film Co., Ltd., Japan). Jpn. Kokai Tokkyo Koho JP 10239811 A2 **19980911** Heisei, 68 pp. (Japanese). CODEN: JKXXAF. APPLICATION: JP 1997-60028 19970227.

GI



AB The film contains photosensitive Ag halide granules, a developer I (R1-4 = H, halo, substituent; R5 = alkyl, aryl, heterocycle), and a coupler A(L1aBm)pL2n-PUG (a, m, n = 0, 1; p = 0, 1, 2; A, L1, B, L2

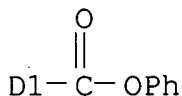
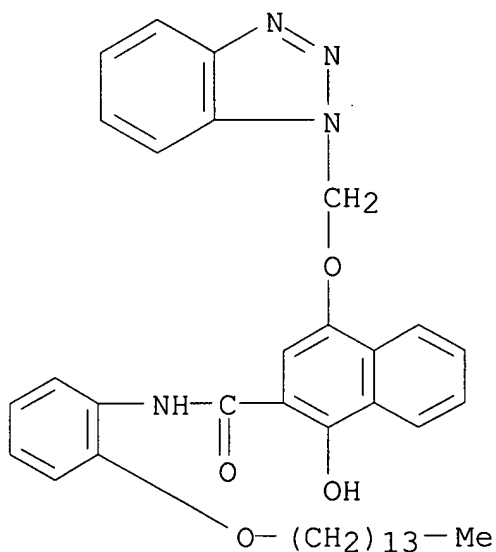
= groups which release the right groups upon reaction with an oxidized developer after cleavage of the left linkage). The development for the film may involve lamination of the exposed film with a developing material contg. a (precursor of) base-contg. layer in the presence of water and heat treatment.

IT **99119-46-7**

(coupler; thermally-developable color photog. film contg. coupler with plural cleavage point and showing good color reprodn. and granularity)

RN 99119-46-7 HCA

CN 1H-Benzotriazolecarboxylic acid, 1-[[[4-hydroxy-3-[[[2-(tetradecyloxy)phenyl]amino]carbonyl]-1-naphthalenyl]oxy]methyl]-, phenyl ester (9CI) (CA INDEX NAME)



IT **99119-46-7**

(coupler; thermally-developable color photog. film contg. coupler with plural cleavage point and showing good color reprodn. and granularity)

L46 ANSWER 37 OF 146 HCA COPYRIGHT 2007 ACS on STN

127:176384 Synthesis of substituted benzotriazoles and photographically active substances. Krecberga, J.; Kampars, V. (Riga Tech. Univ., Riga, Latvia). Latvijas Kimijas Zurnals (1), 114-119 (English) 1997. CODEN: LKZUE8. ISSN: 0868-8249. Publisher: Zinatne.

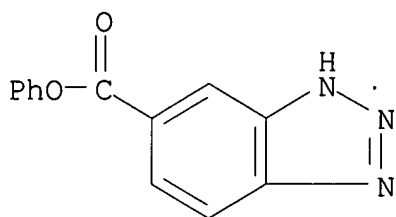
AB Benzotriazole-5-carboxylic acid was prepd. in 3 steps starting from 4-amino-3-nitrobenzoate with an overall yield of 70%. Catalytic alkylation of alkyl and Ph benzotriazole-5-carboxylates with 2-bromo-6-hexadecylsuccinimido-1-indanone gave a mixt. of N1- and N2-alkyl isomers.

IT **84902-17-0P 113053-50-2P**

(prepn. of substituted benzotriazoles)

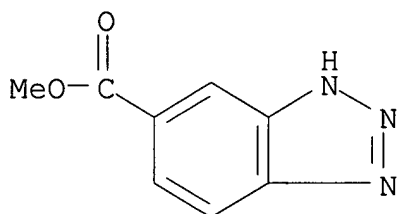
RN 84902-17-0 HCA

CN 1H-Benzotriazole-5-carboxylic acid, phenyl ester (9CI) (CA INDEX NAME)



RN 113053-50-2 HCA

CN 1H-Benzotriazole-5-carboxylic acid, methyl ester (9CI) (CA INDEX NAME)



IT **84902-17-0P 113053-50-2P**

(prepn. of substituted benzotriazoles)

L46 ANSWER 41 OF 146 HCA COPYRIGHT 2007 ACS on STN

125:100285 Receiving element for use in thermal-transfer printing. Dewanckele, Jean-Marie; Defieuw, Geert; Monbaliu, Marcel; Janssens, Wilhelmus (Agfa-Gevaert Naamloze Vennootschap, Belg.). Eur. Pat. Appl. EP 713133 A1 **19960522**, 26 pp. DESIGNATED STATES: R: BE, DE, FR, GB, NL. (English). CODEN: EPXXDW. APPLICATION: EP 1995-202724 19951010. PRIORITY: EP 1994-202981 19941014.

AB A receiving element for use in thermal-transfer printing comprises on a support a receiving layer comprising a silver source, capable of being reduced by means of heat in the presence of a reducing agent, a binder, and a stabilizer selected from the group of benzotriazoles, heterocyclic mercaptanes, sulfinic acids,



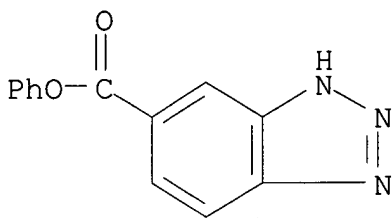
1,3,4-triazoloindolizines, 1,3-dinitroaryl compds., 1,2,3-triazoles, phthalic acids, and phthalic acid derivs. The receiving element provides images with higher stability at elevated temp. and upon exposure to light.

IT **84902-17-0**

(receptors for thermal-transfer printing contg. reducible silver compds. and)

RN 84902-17-0 HCA

CN 1H-Benzotriazole-5-carboxylic acid, phenyl ester (9CI) (CA INDEX NAME)



IT **84902-17-0**

(receptors for thermal-transfer printing contg. reducible silver compds. and)

L46 ANSWER 112 OF 146 HCA COPYRIGHT 2007 ACS on STN

109:119531 Method for formation of direct positive image. Inoue, Akiyuki; Hioki, Tatsuo; Kojima, Tetsuo (Fuji Photo Film Co., Ltd., Japan). Jpn. Kokai Tokkyo Koho JP 63040148 A **19880220** Showa, 29 pp. (Japanese). CODEN: JKXXAF. APPLICATION: JP 1986-184499 19860806.

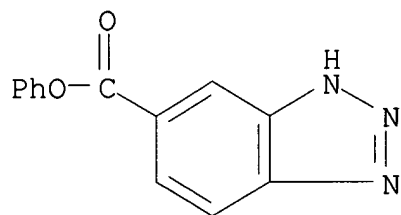
AB A photog. material is developed in the presence of a nucleation-promoting agent contg. a compd. consisting of Ag halide adsorbing group and thioether, amino, ammonium, ether or heterocyclcyl group. The method provides rapid development of an unfogged internal latent-image-type Ag halide photog. material with good color d. and stability.

IT **84902-17-0**, 5-Phenoxycarbonylbenzotriazole

(reaction of, nucleation promoting agent from)

RN 84902-17-0 HCA

CN 1H-Benzotriazole-5-carboxylic acid, phenyl ester (9CI) (CA INDEX NAME)



IT **84902-17-0**, 5-Phenoxycarbonylbenzotriazole  
(reaction of, nucleation promoting agent from)